

ABSTRACT

The present invention relates to an electric mat using a regenerative material which includes an adiabatic member installed in a bottom of the electric mat, a heating hose provided on the adiabatic member at a certain interval, an
5 electric heat cord which is arranged in a concave portion of the heating hose, an electric heat plate stacked on an upper portion of the heating hose, a silver fiber layer stacked on an upper portion of the heating hose, a yellow soil cover layer arranged on an upper portion of the silver fiber layer, a finishing member which covers an upper side of the yellow soil cover layer, a controller for controlling a
10 temperature of the electric mat, and a connection means for engaging the electric mat and the controller. In the present invention, since an electric heat cord does not contact with a regenerative material, it is possible to prevent a fire and an electric leakage. In addition, since a regenerative material radiates an infrared ray, it is possible to implement an environment friendly heating operation. The power
15 consumption is low, so that it is possible to significantly decrease the energy. Therefore, an economical operation of the system is implemented.